

# **SYSTEMS AND METHODS FOR AUTOMATIC REPAIR AND REPLACEMENT OF NETWORKED MACHINES**

## **ABSTRACT OF THE DISCLOSURE**

Systems and methods for automatic repair and replacement of computing  
5 machines are disclosed. The system may generally include a database including  
configuration information for the available replacement machines and a failed machine, a  
machine assignment module to assign a replacement machine based on a comparison of  
the configuration information for the failed machine and the available replacement  
machines, and a configuration module for generating configuration data for replacement  
10 of the failed machine with the replacement machine in the computer network. The  
machine assignment module may compare certain configuration parameters such as  
processor speed, disk drive size, and/or amount of RAM, between the failed machine and  
the available replacement machines. A replacement module may copy data from another  
copy of the failed machine in the computer network into the replacement machine. An  
15 installation module may install the configuration data in, e.g., dependent machines, and  
restart the dependent machines.